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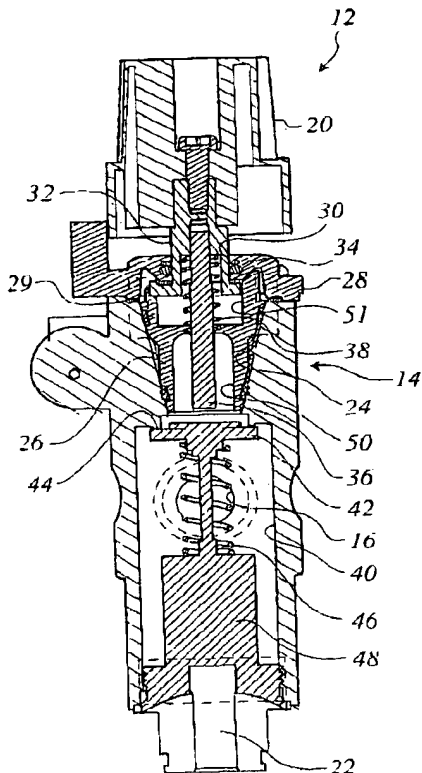
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(54) Title: IMPROVED STOPCOCK



**(57) Abstract:** A valve (12) for controlling the flow of a gas therethrough which requires no machining in order to attain an effective seal between the valve seating surface and a rotatable plug element (26). The valve seat surface (24) remains as-cast while the plug consists of an overmolded plastic. The overmolding defines an array of pliable sealing ridges. The use of overmolding facilitates the use of cost-saving plastic materials and obviates the need for expensive machining of the cooperating surfaces.

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A. CLASSIFICATION OF SUBJECT MATTER  
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## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2 961 214 A (FREED JACOB B) 22 November 1960 (1960-11-22) column 1, line 56 -column 4, line 5 figures	1-20
A	EP 0 581 637 A (COMAP) 2 February 1994 (1994-02-02) column 2, line 51 -column 4, line 8 figures	1-5, 7-9, 12-17, 20
A	US 4 169 491 A (BAJKA PETER) 2 October 1979 (1979-10-02) column 2, line 11 - line 66 column 3, line 49 -column 4, line 10 figures	1-4, 6-8, 12-18, 20
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Information on patent family members

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